

Report of Results: MVA5394**Analysis of Settled Dust - Fairview Treatment Center****Introduction**

On 23 July 2007, we received five settled dust samples from Clark Sief Clark, reportedly collected from the Fairview Treatment Center, 2501 Harbor Blvd, Costa Mesa, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

| <u>Sample ID</u> | <u>Sample Description</u> | <u>MVA Number</u> |
|------------------|-----------------------------------------------------------------------|-------------------|
| 22VA | 4 th floor, Room 4003 Top of black musical storage cabinet | S0880 |
| 23VA | 3 rd floor, Rm 3120 Top of storage shelf | S0881 |
| 24VA | 3 rd floor, Rm 3026 Top of TV cabinet | S0882 |
| 25VA | 2 nd floor, Rm 2023 Top of TV cabinet | S0883 |
| 26VA | 1 st floor, Rm 1055 Communications Rm- Top of Panel C | S0884 |

All analyses were carried out in our laboratory during the period 23 July through 27 August 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that may serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphibole consistent with "Libby amphibole" was also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

| Sample ID | MVA Number | Asbestos Str/cm ² |
|-----------|------------|------------------------------|
| 22VA | S0880 | None Detected |
| 23VA | S0881 | None Detected |
| 24VA | S0882 | None Detected |
| 25VA | S0883 | <41,866 |
| 26VA | S0884 | 837,333 |





| Requested TAT (Circle One) | Same Day | One Day (24hr) | Normal (48hr) |
|----------------------------|----------|----------------|---------------|
| Analysis Type (Circle One) | Air | Surface | Bulk Water |

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APPENDIX



ASTM D5755 Results**MVA 5394**

By: W.Hill

Client project number:

Str/cm = No Str. X CFA X Total Vol.

Grid Op. X GO Area X Vol Filt X Area Sampled

MVA #: S0880 Client #: 22.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 0 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 0.000 Str/CM2

MVA #: S0881 Client #: 23.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 0 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 0.000 Str/CM2

MVA #: S0882 Client #: 24.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 0 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 0.000 Str/CM2

MVA #: S0883 Client #: 25.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 2 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 27911.111 Str/CM2

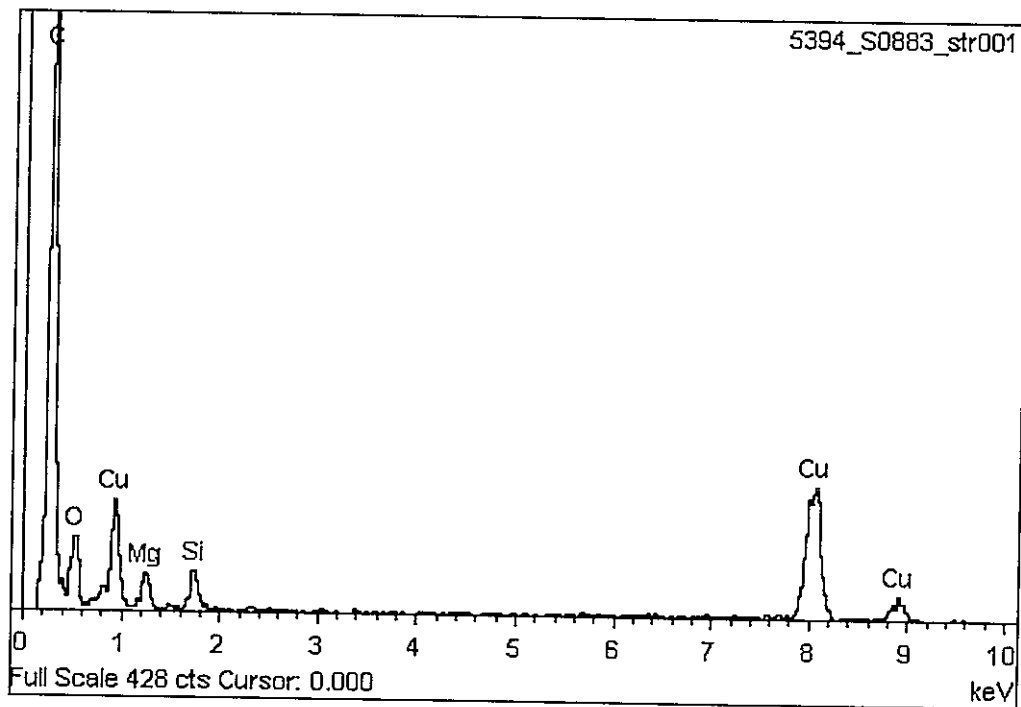
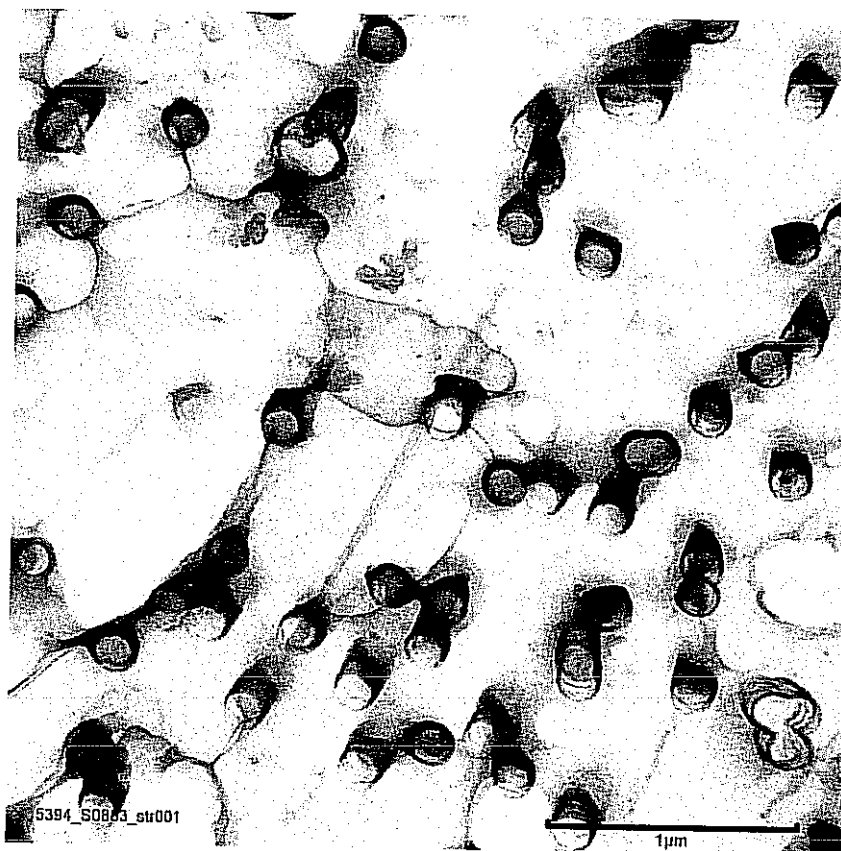
MVA #: S0884 Client #: 26.VA

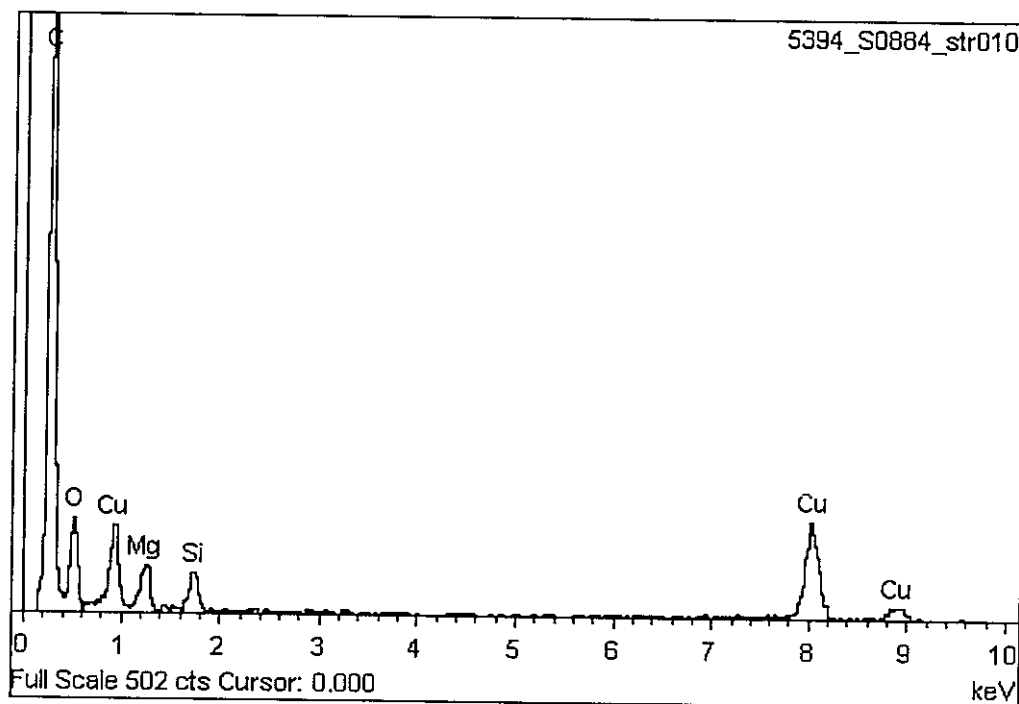
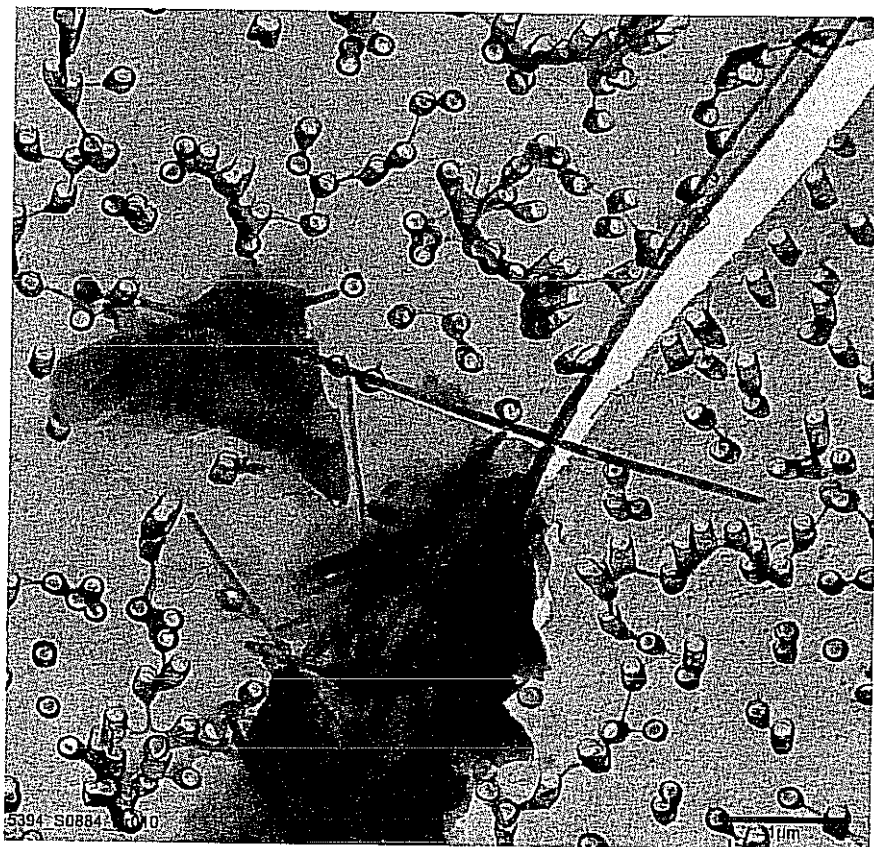
| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 60 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

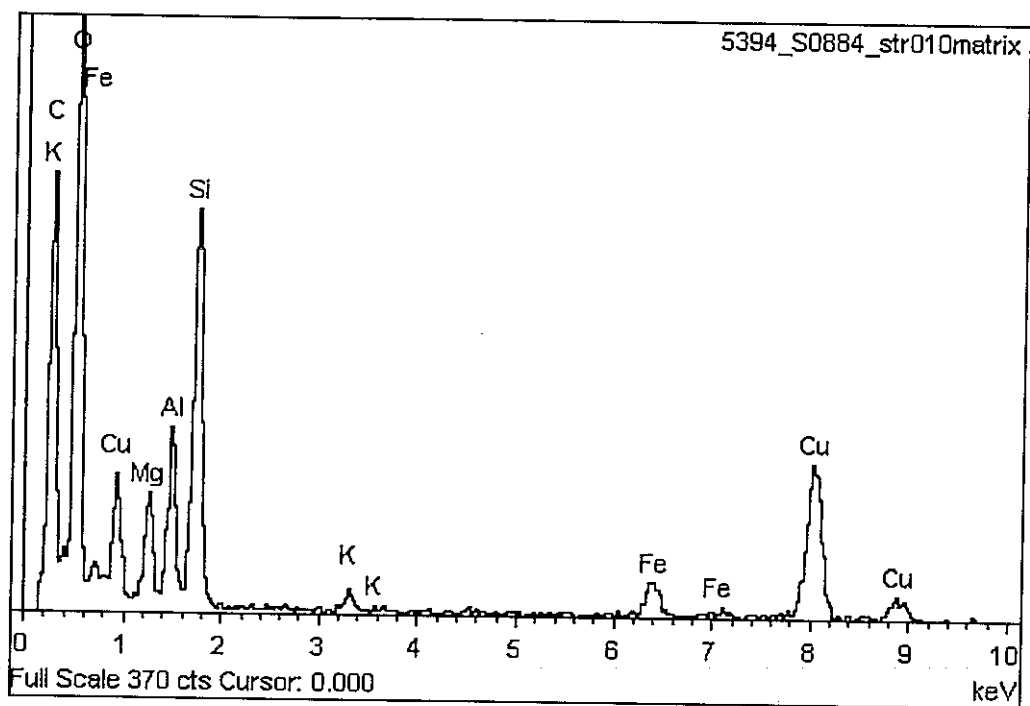
Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 837333.333 Str/CM2

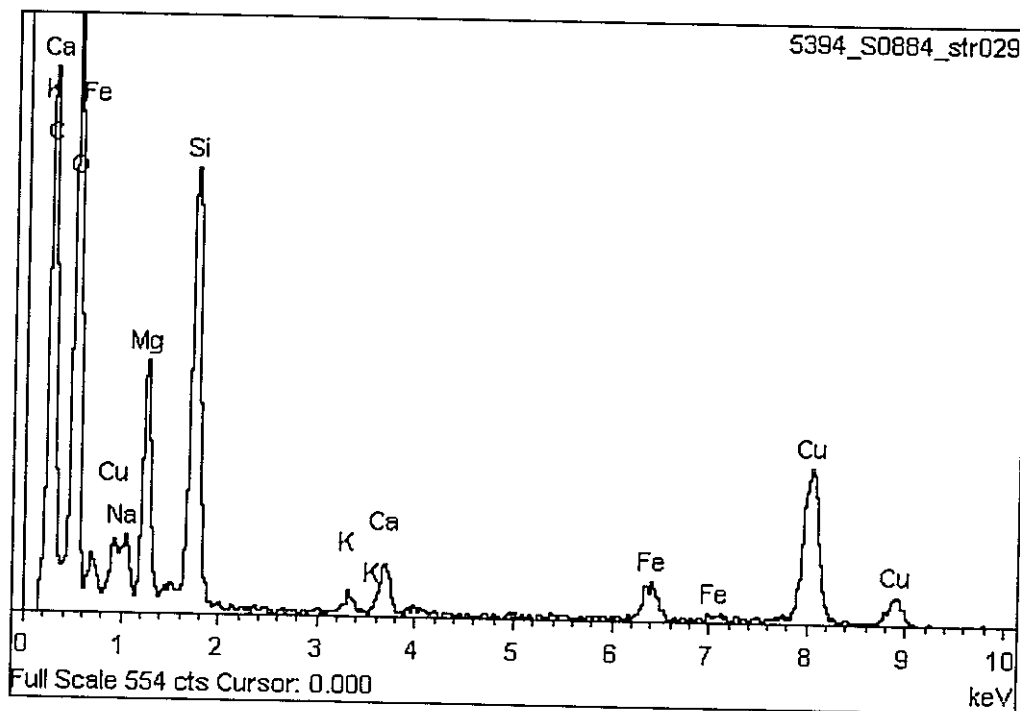
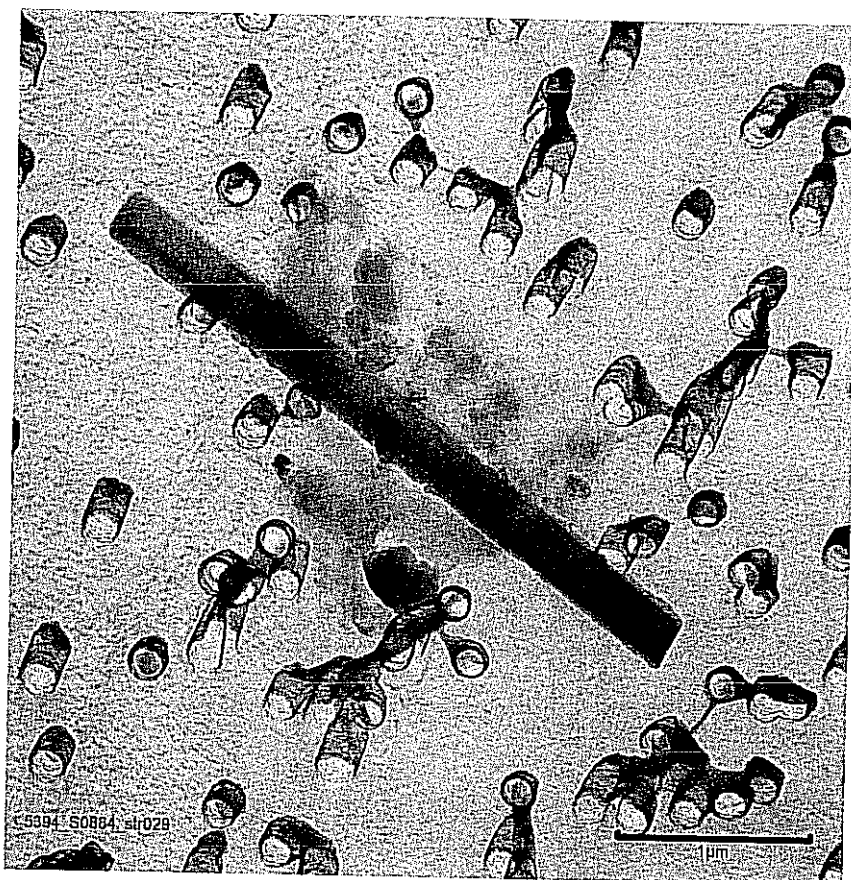
*According to ASTM D6620











Surface Dust Sample Analysis Sheet

| | |
|----------------|-------------|
| MVA Project# | 5394 |
| MVA Sample# | S0880 |
| Client I.D.: | 22.VA |
| Instrument: | Philips 120 |
| Magnification: | 24,000 |
| Acc. Voltage: | 100 |

| | |
|----------------------------------|-------|
| Amt Collected(cm ²): | 100 |
| Amt Prepped(cm ²): | 1 |
| Filter Area (mm ²): | 1256 |
| Filter Type: | PC |
| Openings Analyzed: | 10 |
| Grid Opening (mm ²): | 0.009 |

Analyst: WH
Date: 8/13/2007
Page: 1 of 1
Comments: 1 ml
ASTM Method: D6480
or D5755 X

[illegible]

*NFD or NSD = No Fibers Detected or No Structures Detected

**** On Screen Measurement**

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Cracidoilite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

| | | | |
|----------------|-------------|----------------------------------|-------|
| MVA Project# | 5394 | Amt Collected(cm ²): | 100 |
| MVA Sample# | S0881 | Amt Prepped(cm ²): | 1 |
| Client I.D.: | 23.VA | Filter Area (mm ²): | 1256 |
| Instrument: | Philips 120 | Filter Type: | PC |
| Magnification: | 24,000 | Openings Analyzed: | 10 |
| Acc. Voltage: | 100 | Grid Opening (mm ²): | 0.009 |

X

5394report082907fairview

Analyst: WH
Date: 8/16/2007
Page: 1 of 1
Comments: 1.0 ml
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

| | | | |
|----------------|-------------|----------------------------------|-------|
| MVA Project# | 5394 | Amt Collected(cm ²): | 100 |
| MVA Sample# | S0883 | Amt Prepped(cm ²): | 1 |
| Client I.D.: | 25.VA | Filter Area (mm ²): | 1256 |
| Instrument: | Philips 120 | Filter Type: | PC |
| Magnification: | 24,000 | Openings Analyzed: | 10 |
| Acc. Voltage: | 100 | Grid Opening (mm ²): | 0.009 |

X

5394report082907fairview

Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0884
 Client I.D.: 26.VA
 Instrument: Philips 120
 Magnification: 24,000
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 1
 Filter Area (mm²): 1256
 Filter Type: PC
 Openings Analyzed: 10
 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 8/14/2007
 Page: 1 of 2
 Comments: 1 ml
 ASTM Method: D6480
 or D5755 X

| Grid | Opening | Structure Number* | Structure Type | Length** (cm) | Width** (cm) | SAED | EDS | Comments | Length*** (μm) | Width*** (μm) |
|------|---------|-------------------|----------------|---------------|--------------|------|-----|-------------------|----------------|---------------|
| 1 | B8 | 1 | F | 6 | 0.1 | C | | | 2.5 | 0.04 |
| | | 2 | M | 5.0 | 0.6 | C | C | photo | 2.1 | 0.25 |
| | | 3 | F | 5.6 | 0.1 | C | | | 2.3 | 0.04 |
| | | 4 | F | 13.5 | 0.1 | C | | | 5.6 | 0.04 |
| | | 5 | F | 20.0 | 0.1 | C | | | 8.3 | 0.04 |
| | | 6 | F | 2.6 | 0.1 | C | | | 1.1 | 0.04 |
| | | 7 | M | 2.1 | 0.1 | C | | | 0.9 | 0.04 |
| | | 8 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 9 | M | 23.5 | 0.1 | C | | | 9.8 | 0.04 |
| | | 10 | F | 12.0 | 0.1 | C | C | photo | 5.0 | 0.04 |
| | C5 | 11 | B | 40.1 | 4.5 | C | | | 16.7 | 1.88 |
| | | 12 | M | 11.0 | 0.1 | C | | | 4.6 | 0.04 |
| | | 13 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 14 | F | 26.5 | 0.1 | C | | | 11.0 | 0.04 |
| | D2 | 15 | F | 9.5 | 0.1 | C | | | 4.0 | 0.04 |
| | | 16 | F | 6.0 | 0.1 | C | | | 2.5 | 0.04 |
| | | 17 | F | 5.0 | 0.2 | C | | | 2.1 | 0.08 |
| | | 18 | F | 5.5 | 0.1 | C | | | 2.3 | 0.04 |
| | | 19 | M | 3.0 | 0.2 | C | | | 1.3 | 0.08 |
| | G3 | 20 | F | 2.5 | 0.1 | C | | | 1.0 | 0.04 |
| | | 21 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 22 | F | 15.6 | 0.1 | C | | | 6.5 | 0.04 |
| | J7 | 23 | F | 53.0 | 0.1 | C | | | 22.1 | 0.04 |
| | | 24 | F | 5.6 | 0.1 | C | | | 2.3 | 0.04 |
| | | 25 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 26 | F | 10.5 | 0.1 | C | | | 4.4 | 0.04 |
| | | 27 | F | 6.5 | 0.1 | C | | | 2.7 | 0.04 |
| 2 | B3 | 28 | B | 10.5 | 0.5 | C | | | 4.4 | 0.21 |
| | | 29 | F | 8.0 | 0.5 | A | AO | Amphibole "other" | 3.3 | 0.21 |
| | | 30 | M | 8.5 | 0.1 | C | | | 3.5 | 0.04 |
| | | 31 | B | 5.5 | 0.2 | C | | | 2.3 | 0.08 |
| | | 32 | B | 32.2 | 0.4 | C | | | 13.4 | 0.17 |
| | | 33 | B | 5.0 | 0.2 | C | | | 2.1 | 0.08 |
| | | 34 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | C5 | 35 | B | 55.5 | 1.5 | C | | | 23.1 | 0.63 |

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Analyst: WH
Date: 8/14/2007
Page: 2 of 2
Comments: 1 ml
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

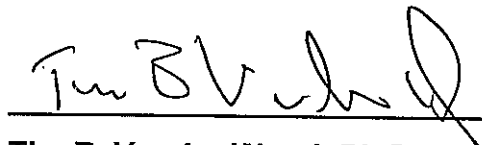
Report of Results: MVA5394

**Analysis of Settled Dust
Stockton State Building**

Prepared for:

**State of California
Dept of General Services
Seismic & Special Programs
707 West 3rd St.
West Sacramento, CA 95605**

Respectfully Submitted by:



**Tim B. Vander Wood, Ph.D.
Executive Director**

**MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096**

29 August 2007



Report of Results: MVA5394**Analysis of Settled Dust - Stockton State Building****Introduction**

On 20 July 2007, we received five settled dust samples from Clark Sief Clark, reportedly collected from the Stockton State Building at 31 E. Channel Street, Stockton, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

| <u>Sample ID</u> | <u>Sample Description</u> | <u>MVA Number</u> |
|------------------|----------------------------------------------------------------|-------------------|
| 01.VA | 2 nd Floor, Room #219A, Ceiling Tile Surface | S0832 |
| 02.VA | 2 nd Floor, Room #218, Ceiling Tile Surface | S0833 |
| 03.VA | 4 th Floor, Room #400, Ceiling Tile Surface | S0834 |
| 04.VA | 3 rd Floor, Room #306 Storage, Ceiling Tile Surface | S0835 |
| 05.VA | 1 st Floor, 108-Kitchen, Ceiling Tile Surface | S0836 |

All analyses were carried out in our laboratory during the period 20 July through 27 August 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that may serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphiboles consistent with "Libby amphiboles" were also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

| Sample ID | MVA Number | Asbestos Str/cm ² |
|-----------|------------|------------------------------|
| 01-VA | S0832 | 13,490,370 |
| 02-VA | S0833 | 307,022 |
| 03-VA | S0834 | 22,328,889 |
| 04-VA | S0835 | <4,187 |
| 05-VA | S0836 | 11,862,222 |





| Requested TAT (Circle One) | Analysis Type (Circle One) |
|----------------------------|----------------------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
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| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

| One Day (24hr) | Normal (48hr) |
|----------------|---------------|
| Surface | Bulk Water |

| Normal (48hr) | Bulk | Water |
|---------------|------|-------|
|---------------|------|-------|

| Relinquished By (Print & Sign) | Date & Time | Received By (Print & Sign) | Date & Time | Analysis By (Print & Sign) | Date & Time |
|--------------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| FRANK SEIF | 7.19.07 | Paula | 7.20.07 | | |
| Relinquished By (Print & Sign) | Date & Time | Received By (Print & Sign) | Date & Time | Analysis Date & Time | |

APPENDIX

ASTM D5755 Results**MVA 5394**

By: W.Hill

Client project number:

Str/cm = No Str. X CFA X Total Vol.

Grid Op. X GO Area X Vol Filt X Area Sampled

MVA #: S0832 **Client #:** 01.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 58 | 1256 | 6 | 0.009 | 0.1 | 100 | 100 |

Anal. Sens = 232592.593 **Str/CM2** **LOD =3* Anal. Sens =** 697777.778
Total = 13490370.370 **Str/CM2**

MVA #: S0833 **Client #:** 02.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 22 | 1256 | 10 | 0.009 | 1 | 100 | 100 |

Anal. Sens = 13955.556 **Str/CM2** **LOD =3* Anal. Sens =** 41866.667
Total = 307022.222 **Str/CM2**

MVA #: S0834 **Client #:** 03.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 64 | 1256 | 4 | 0.009 | 0.1 | 100 | 100 |

Anal. Sens = 348888.889 **Str/CM2** **LOD =3* Anal. Sens =** 1046666.667
Total = 22328888.889 **Str/CM2**

MVA #: S0835 **Client #:** 04.VA

| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 2 | 1256 | 10 | 0.009 | 10 | 100 | 100 |

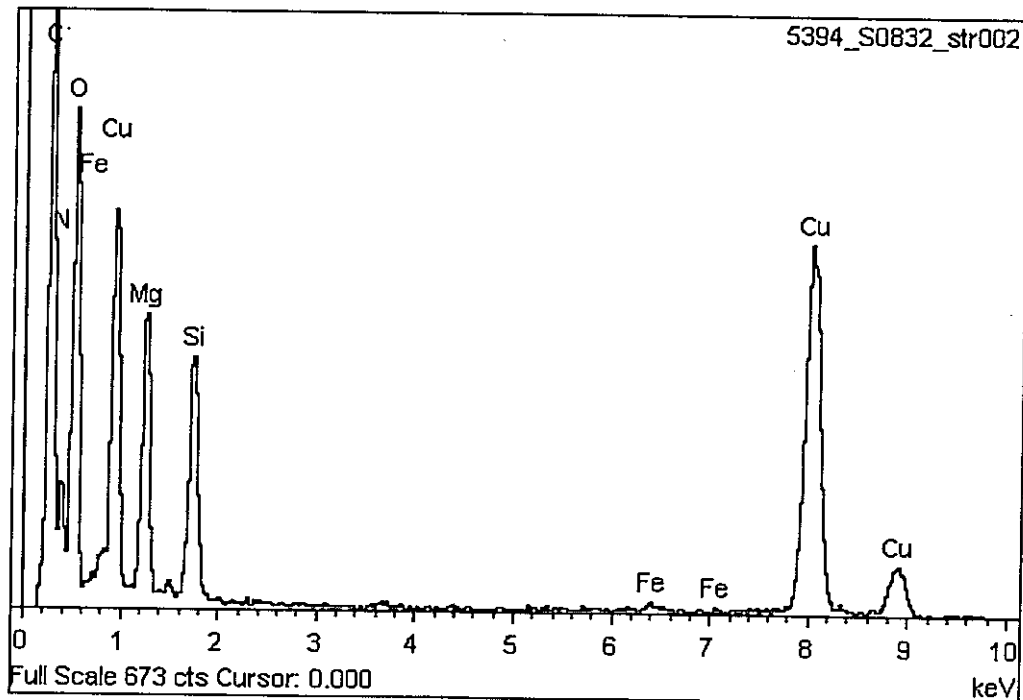
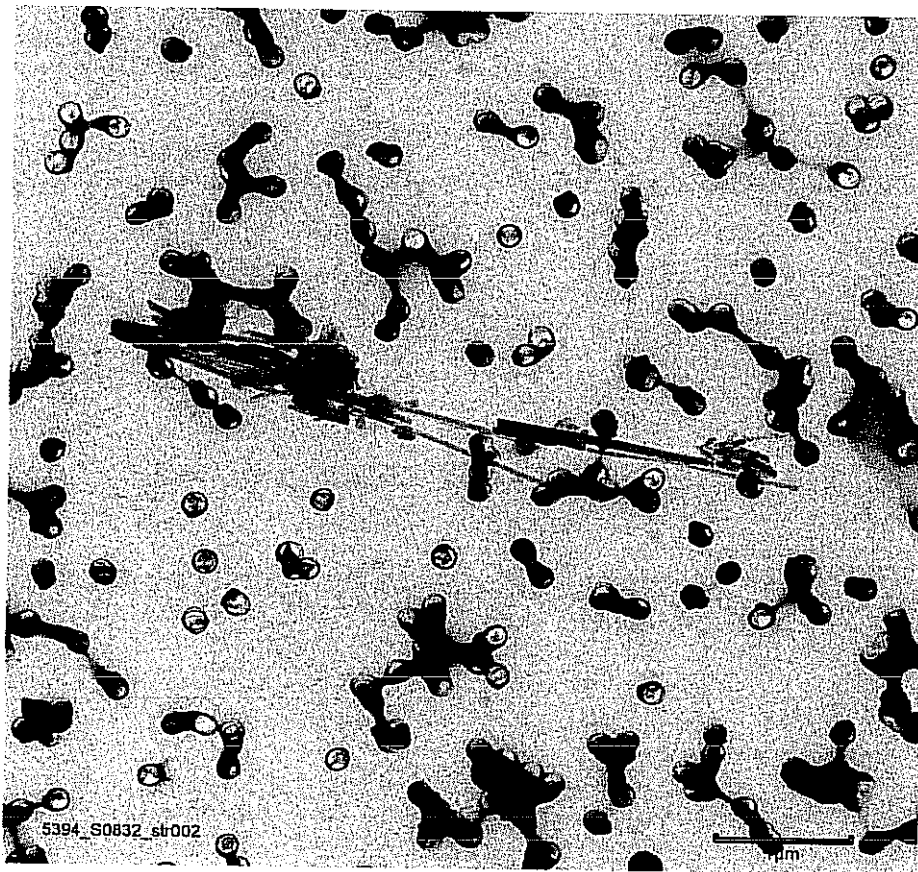
Anal. Sens = 1395.556 **Str/CM2** **LOD =3* Anal. Sens =** 4186.667
Total = 2791.111 **Str/CM2**

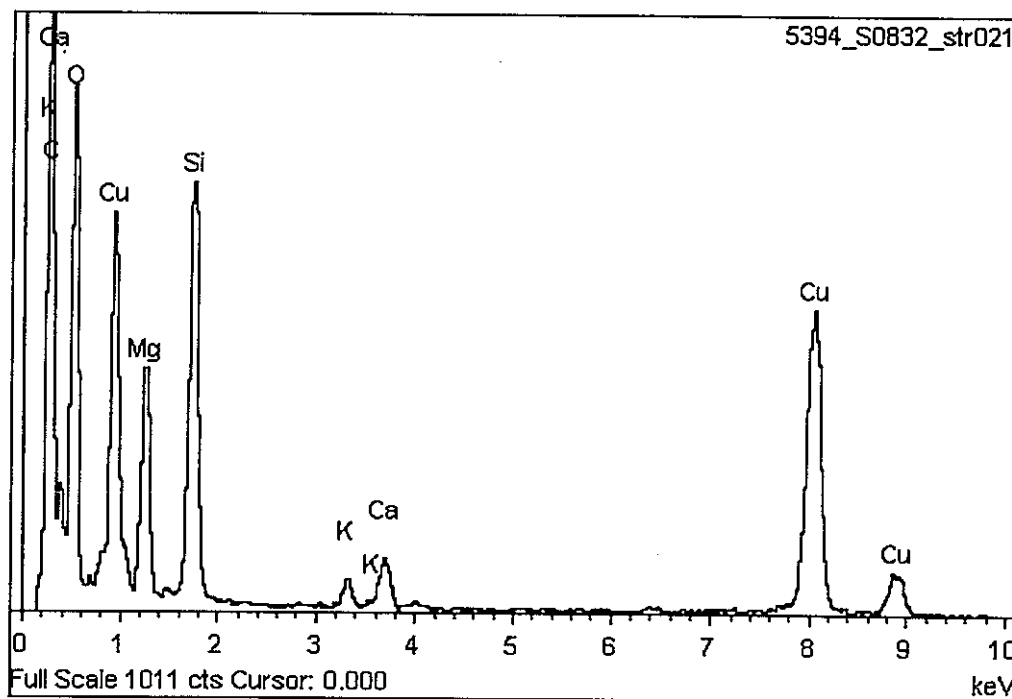
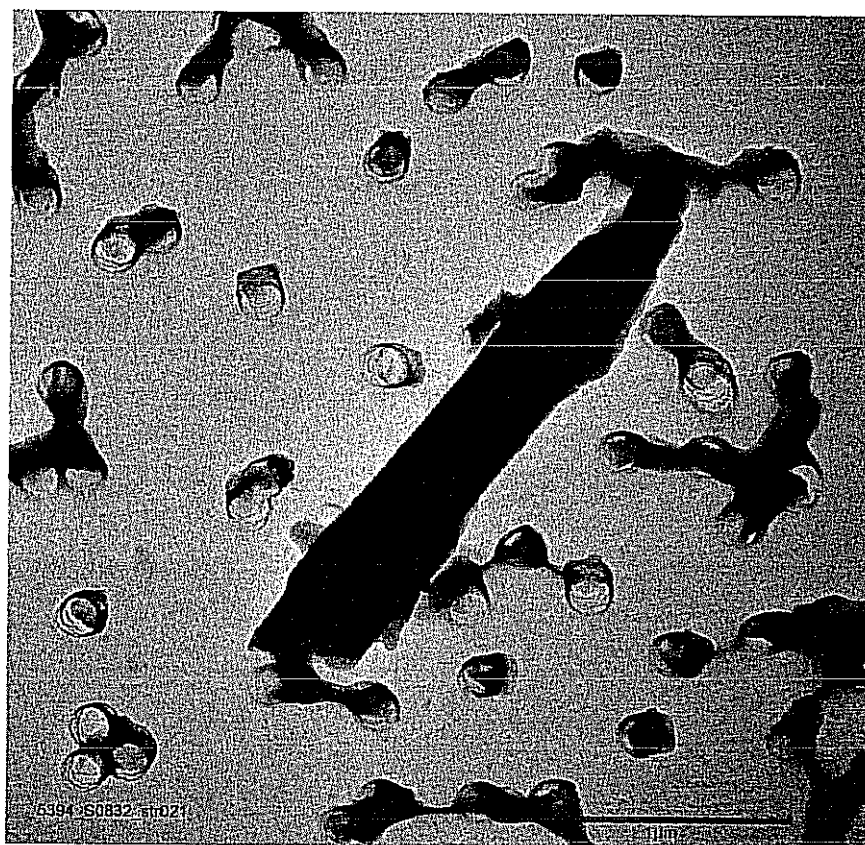
MVA #: S0836 **Client #:** 05.VA

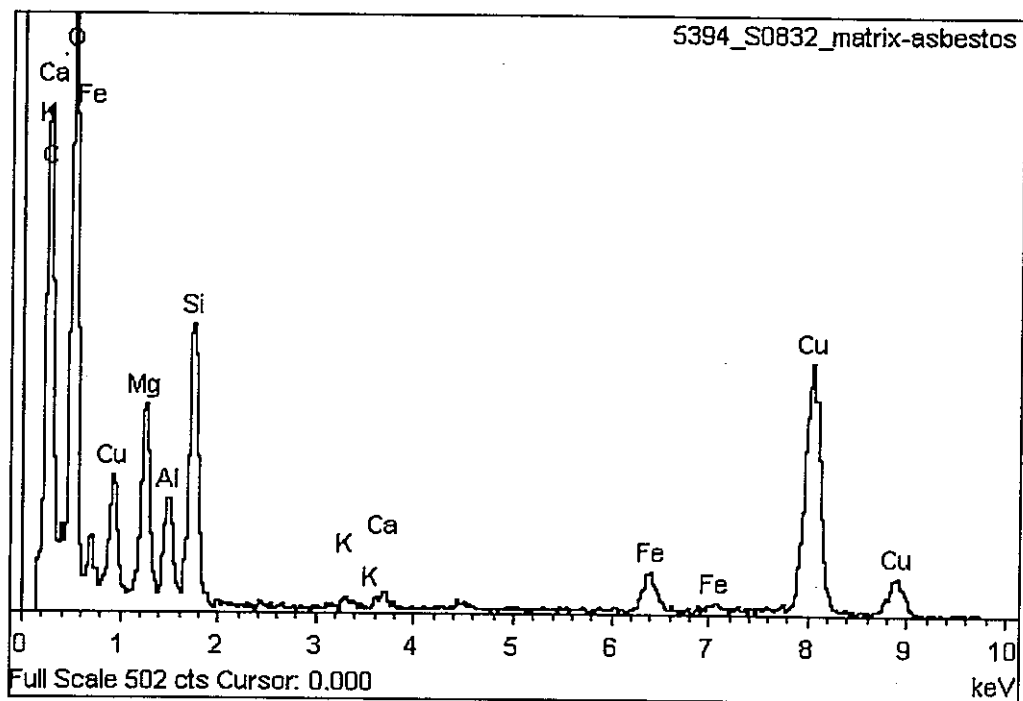
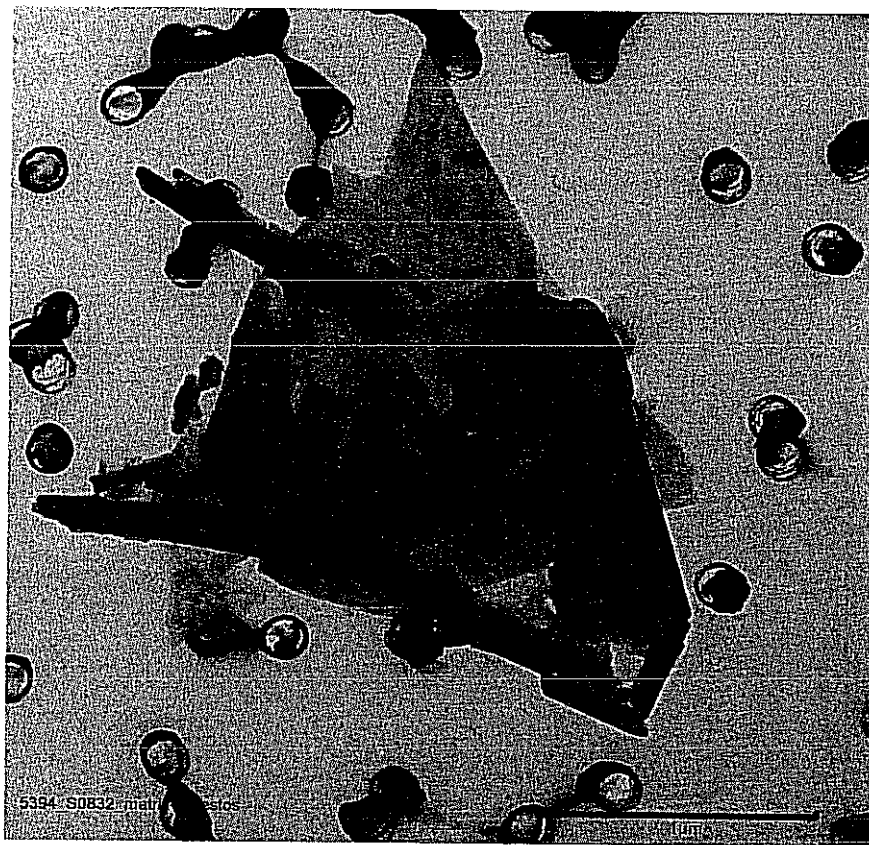
| Str. # | CFA | #GO | Area GO | Vol Filt ml | Total Vol. | Area Samp. |
|--------|------|-----|---------|-------------|------------|------------|
| 51 | 1256 | 6 | 0.009 | 0.1 | 100 | 100 |

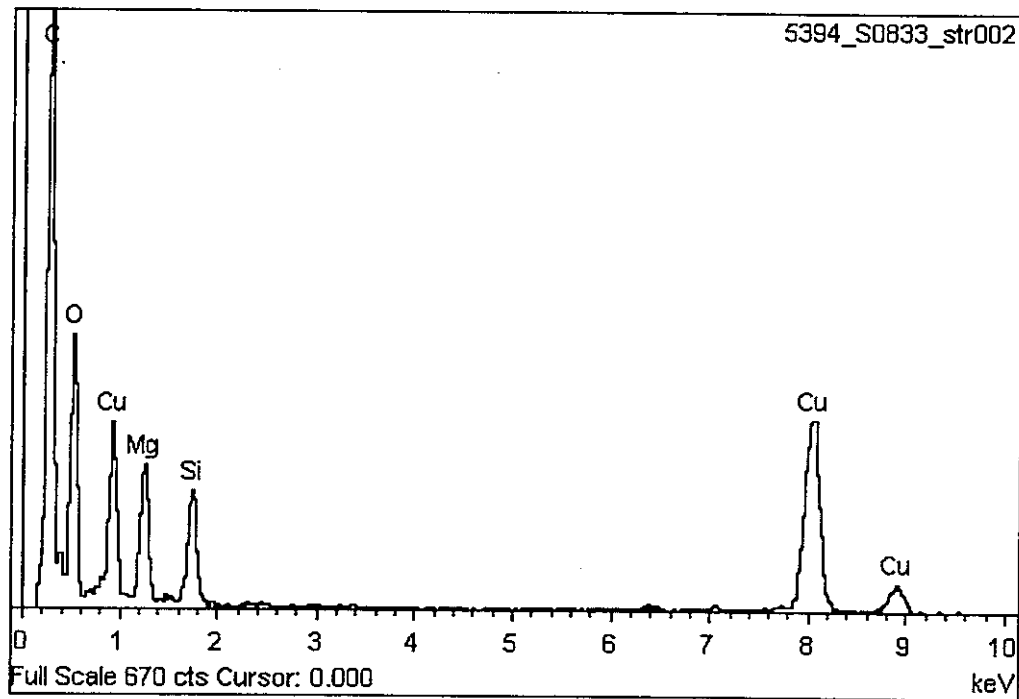
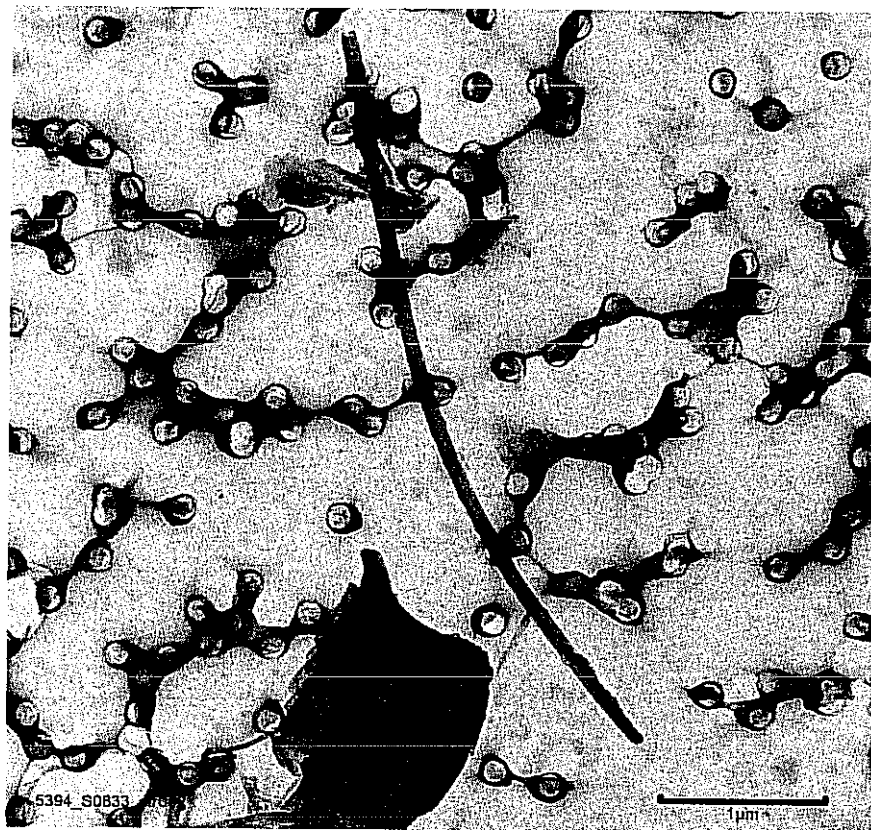
Anal. Sens = 232592.593 **Str/CM2** **LOD =3* Anal. Sens =** 697777.778
Total = 11862222.222 **Str/CM2**

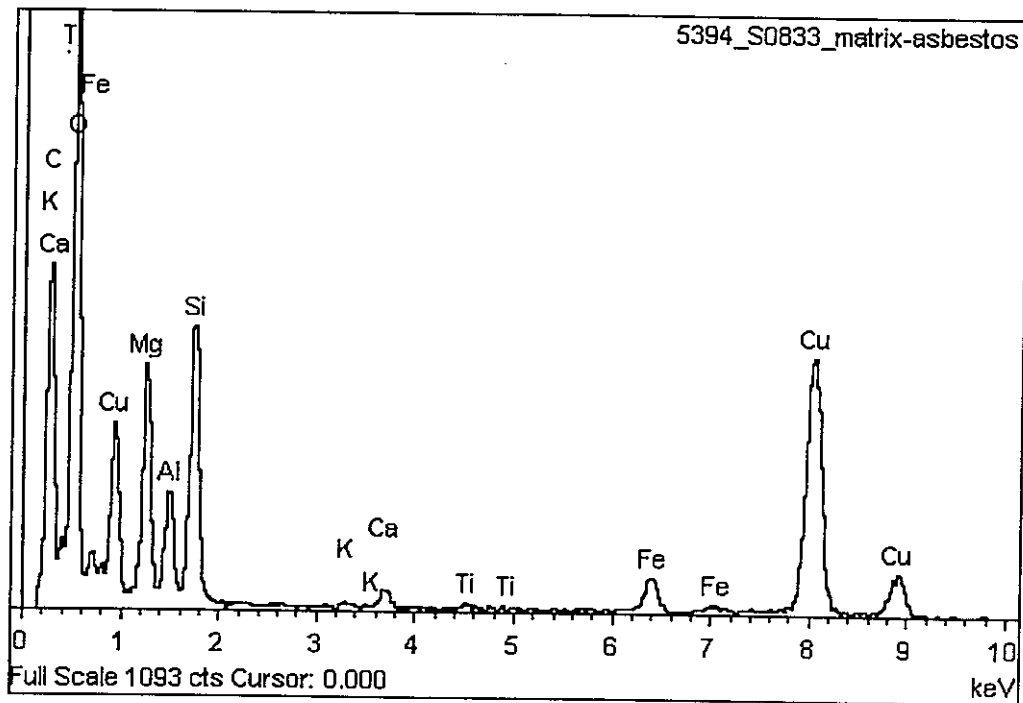
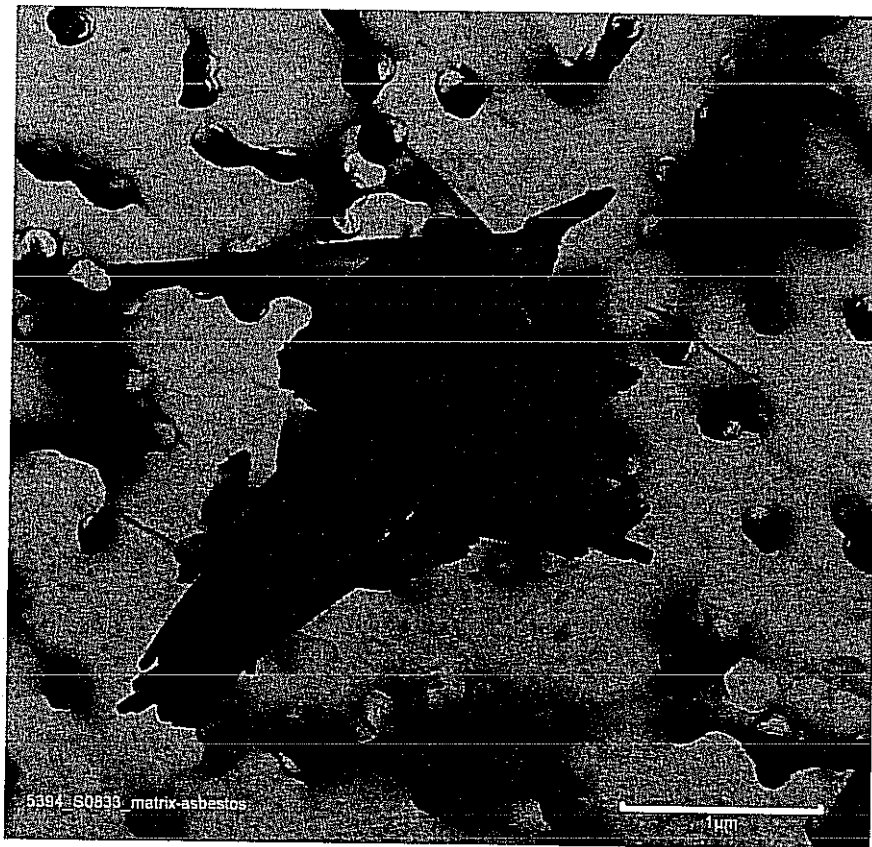
*** According to ASTM D6620**

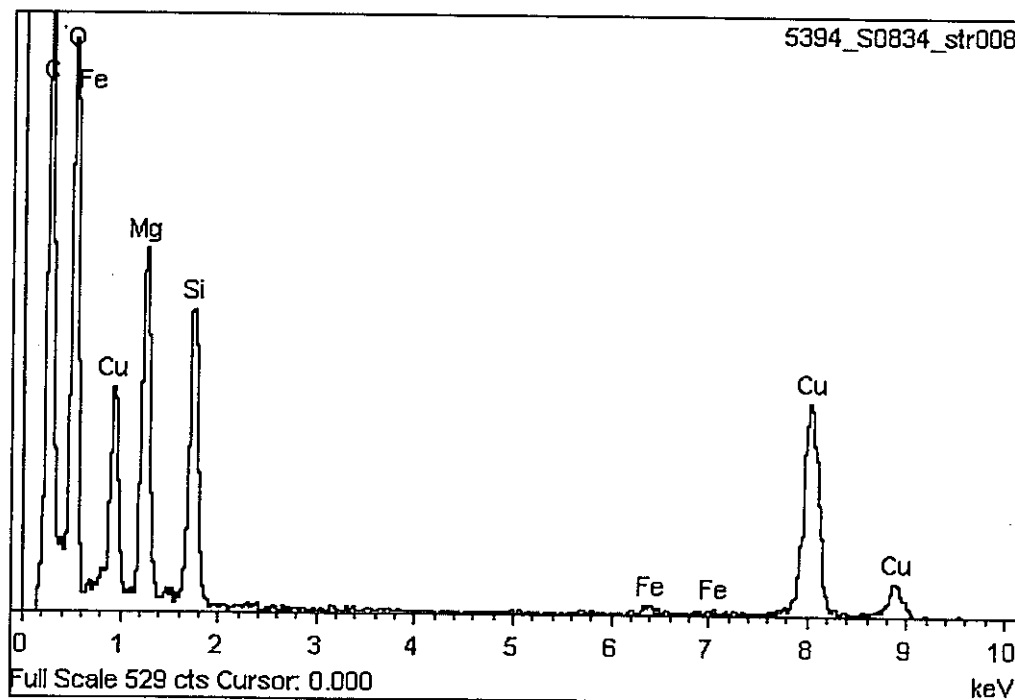
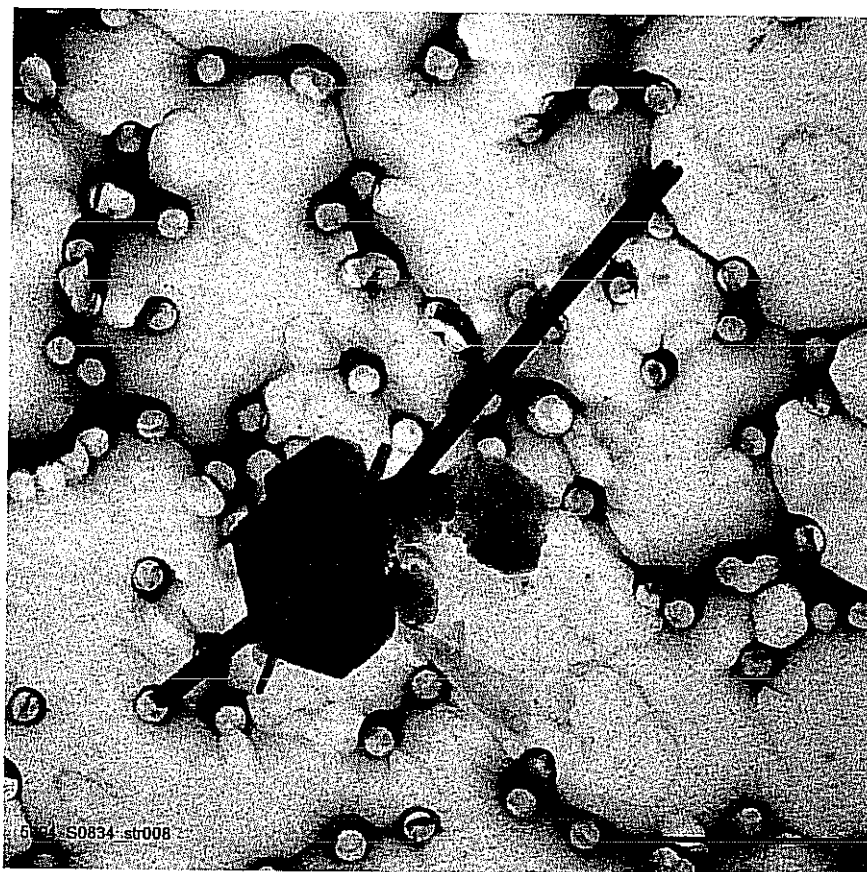


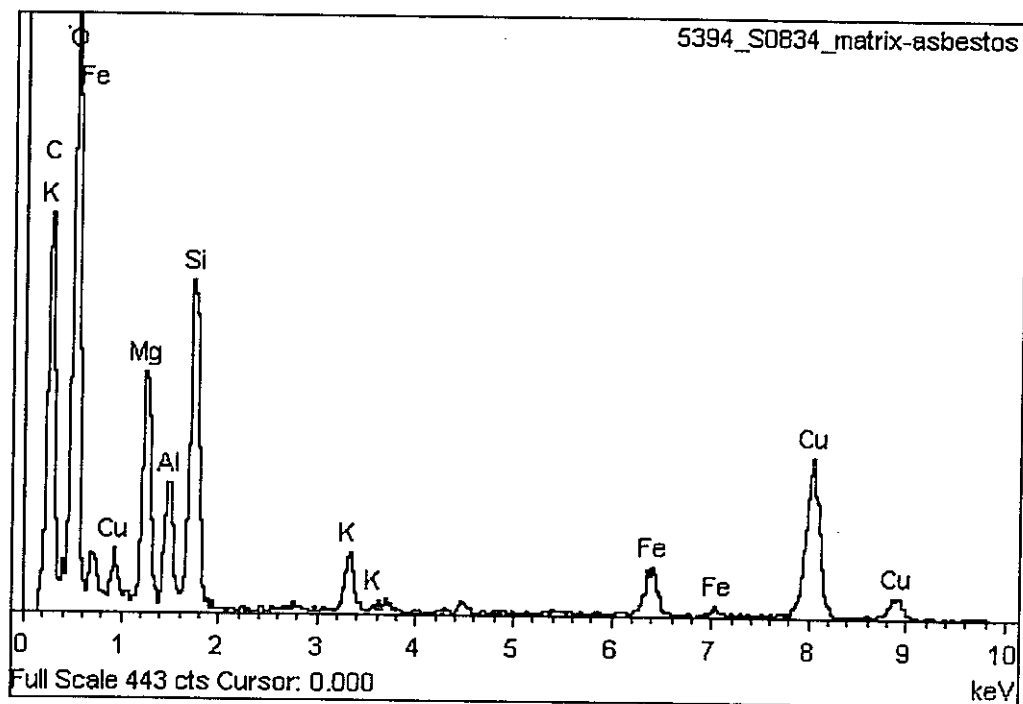


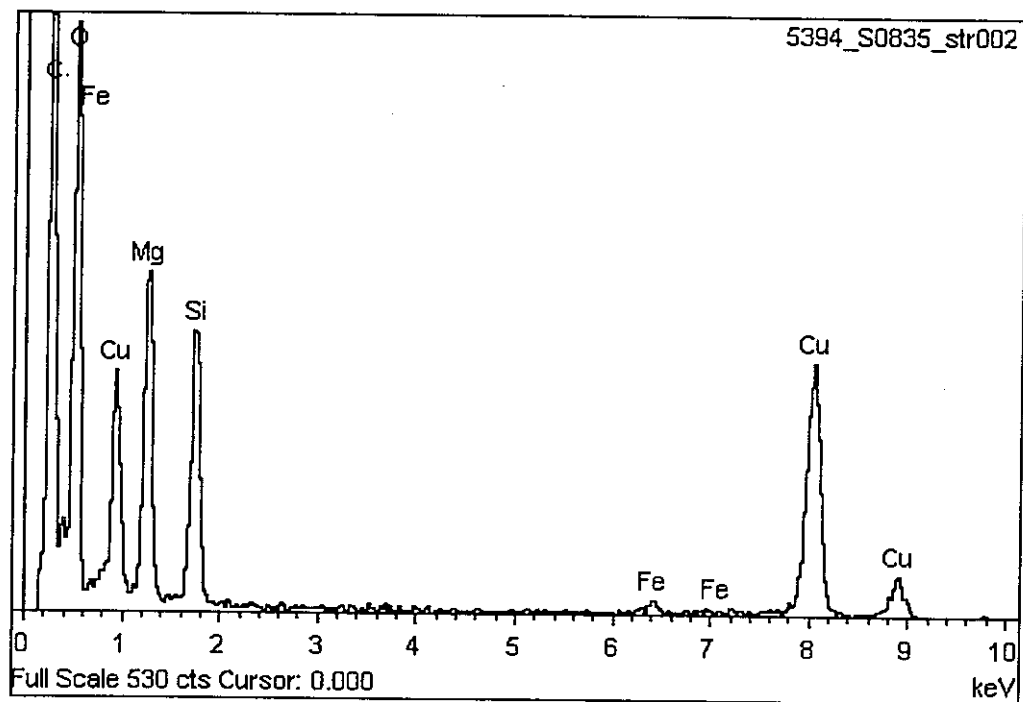
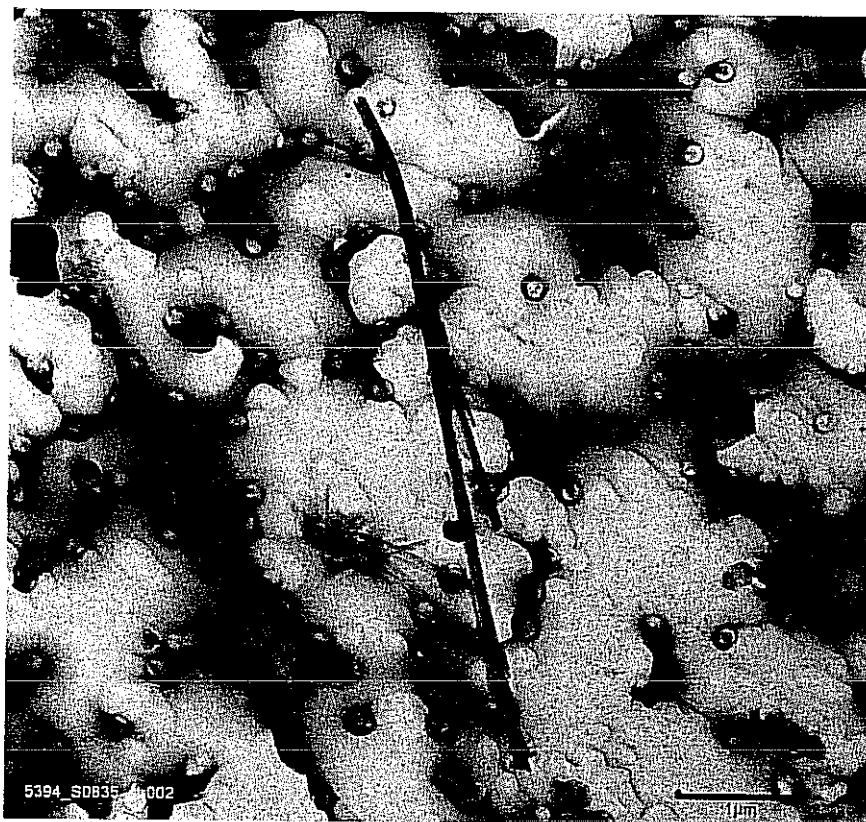


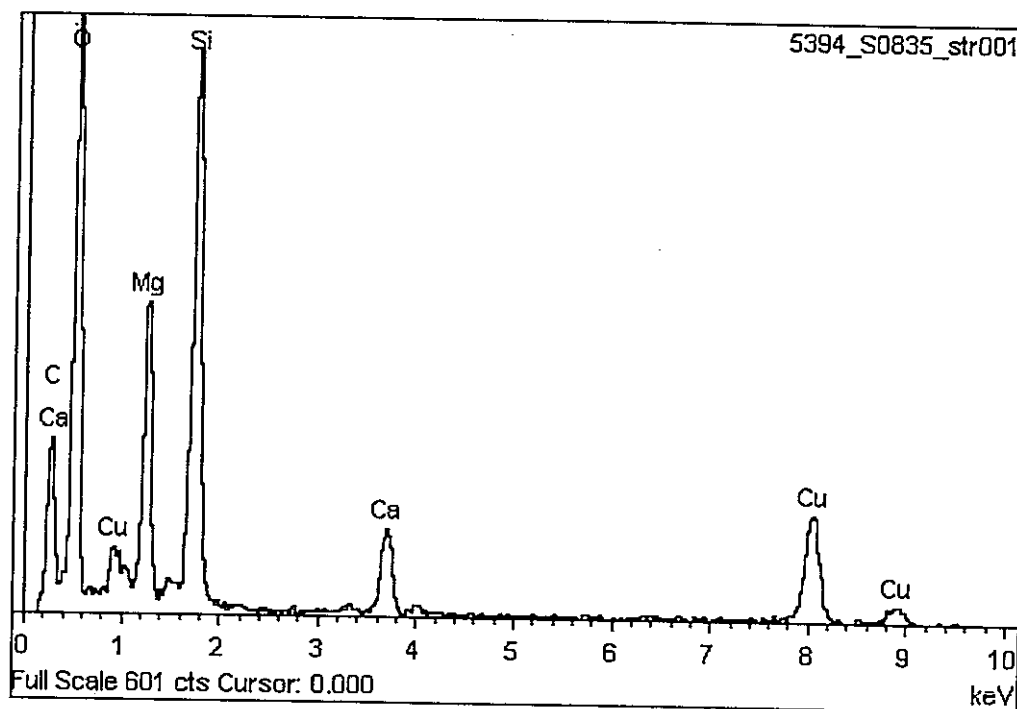
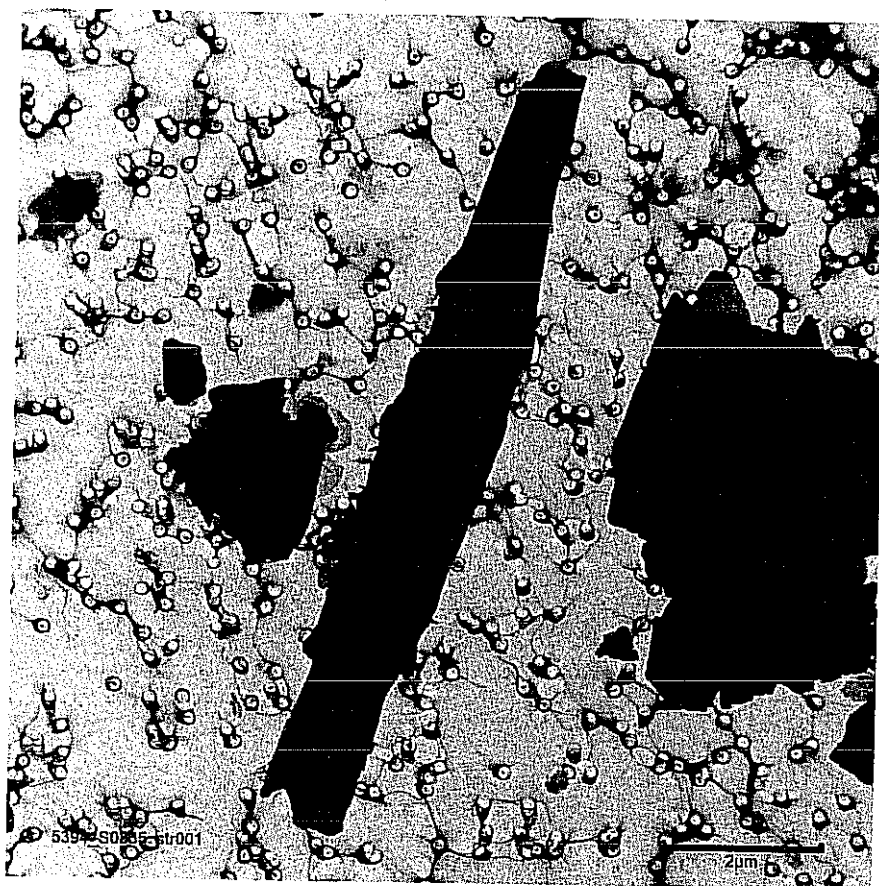


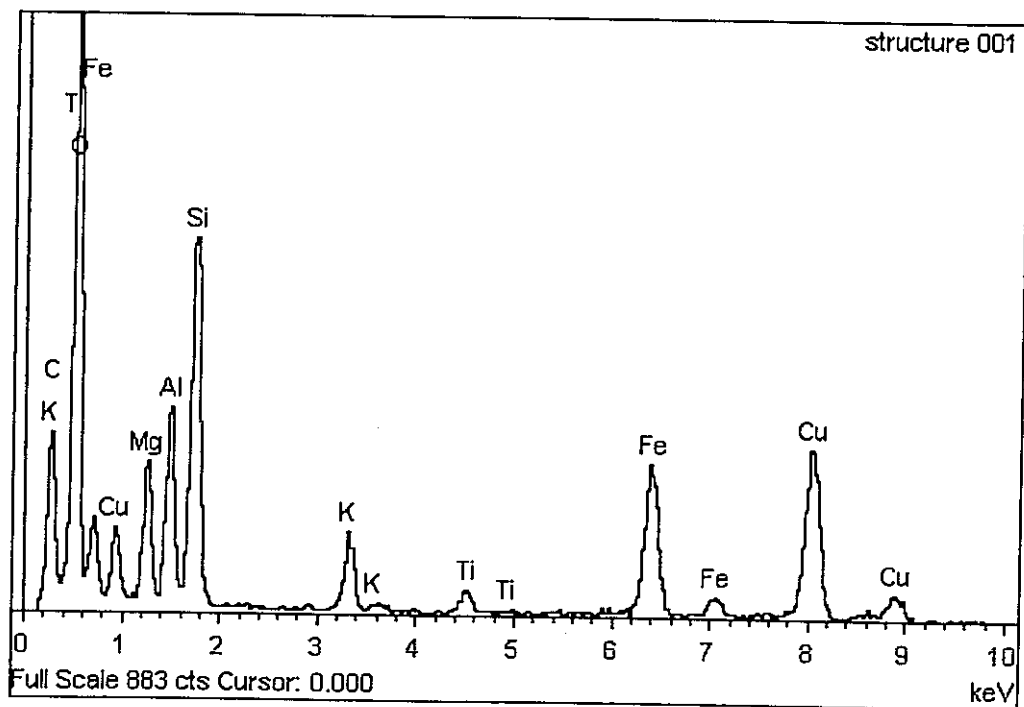
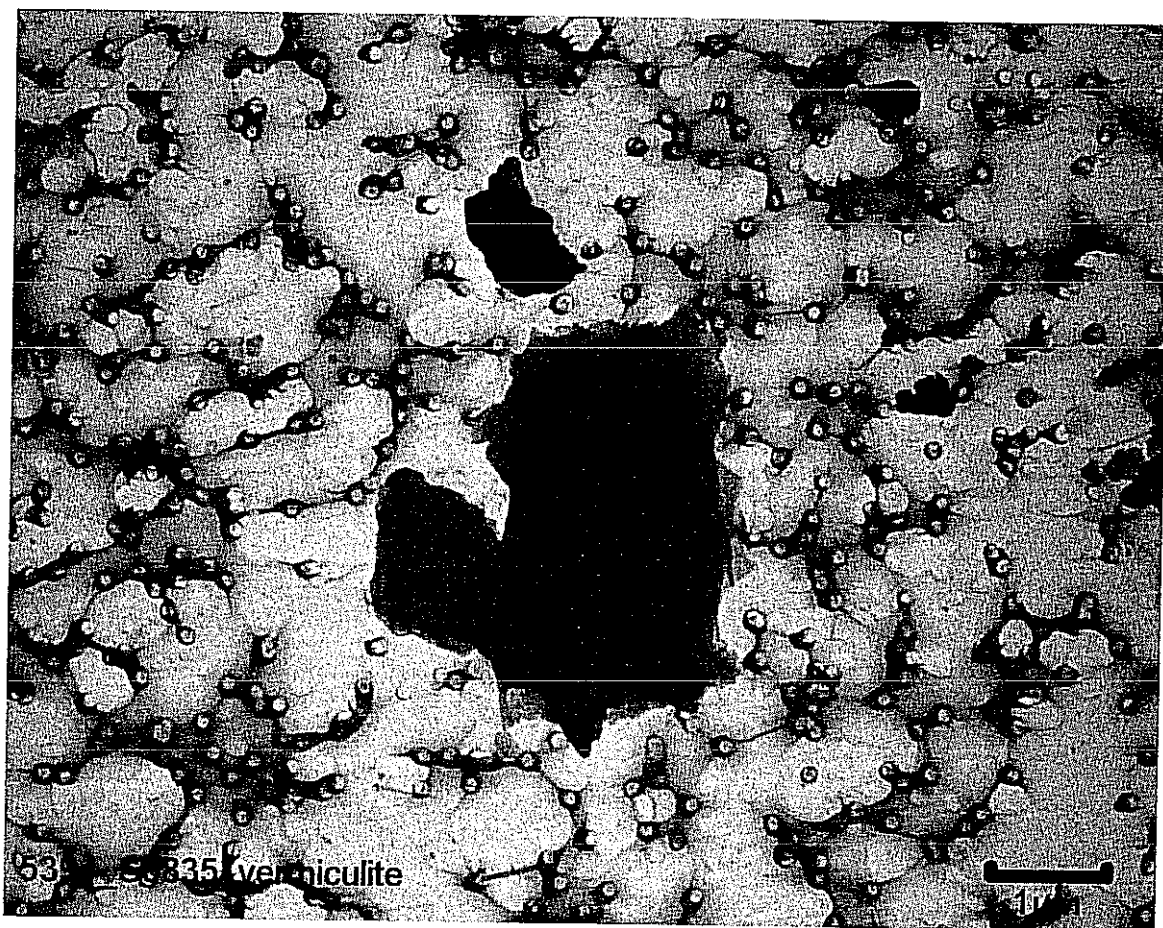


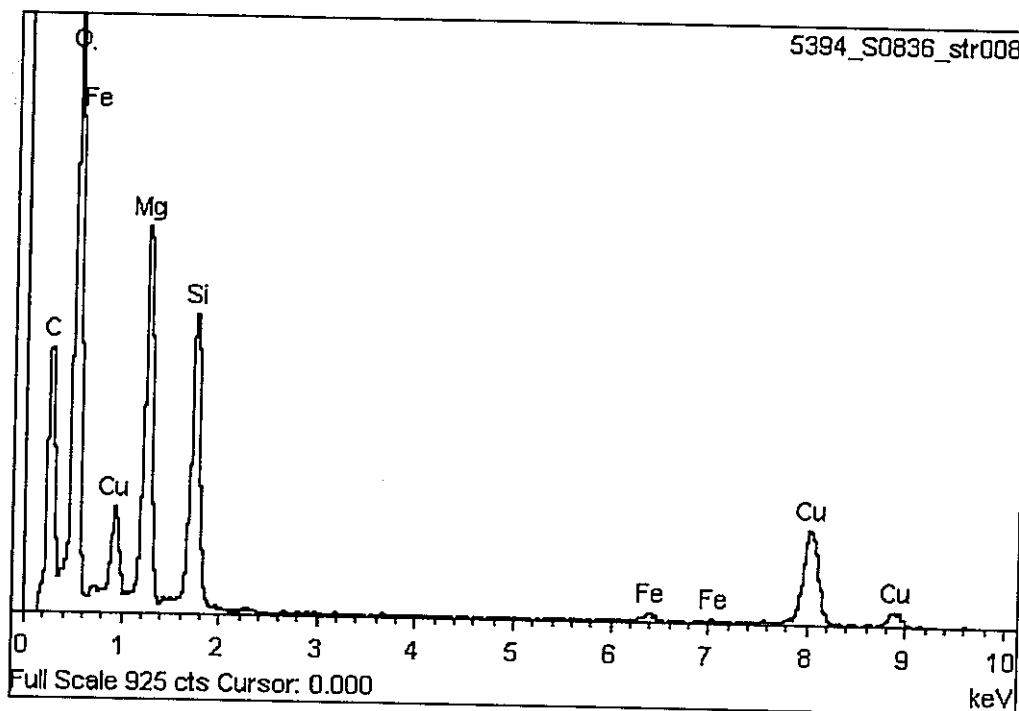
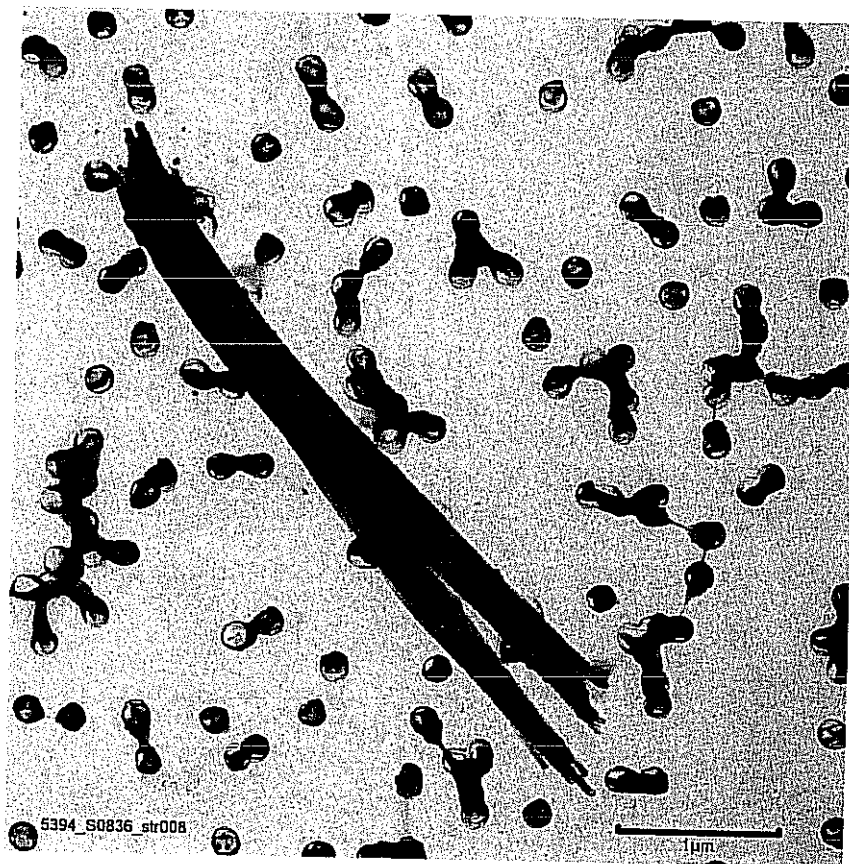


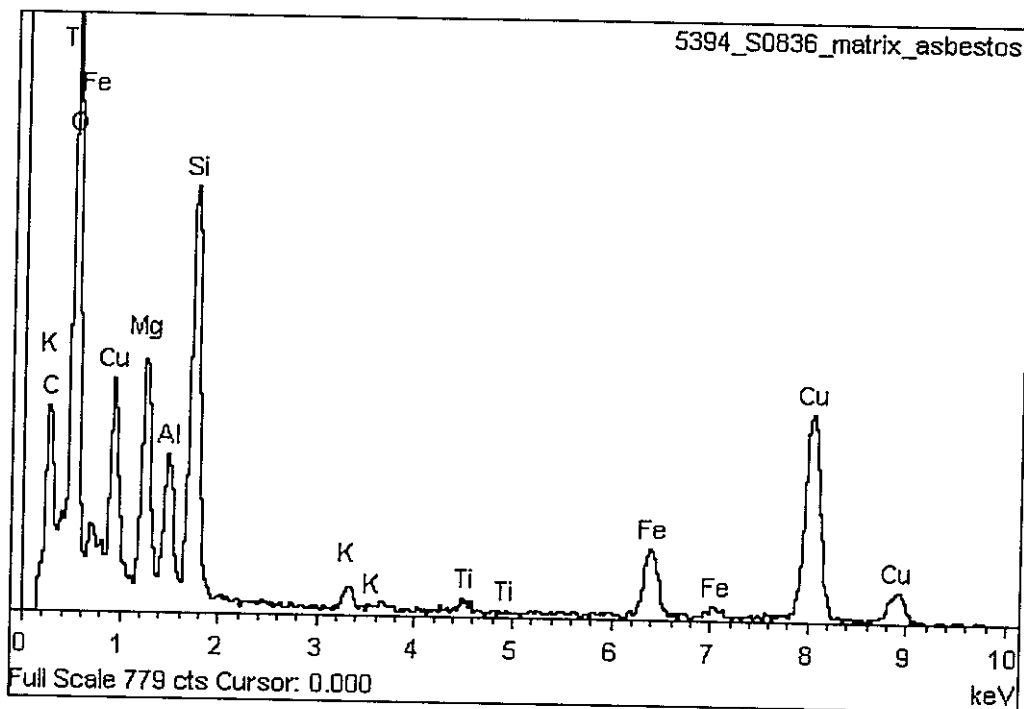
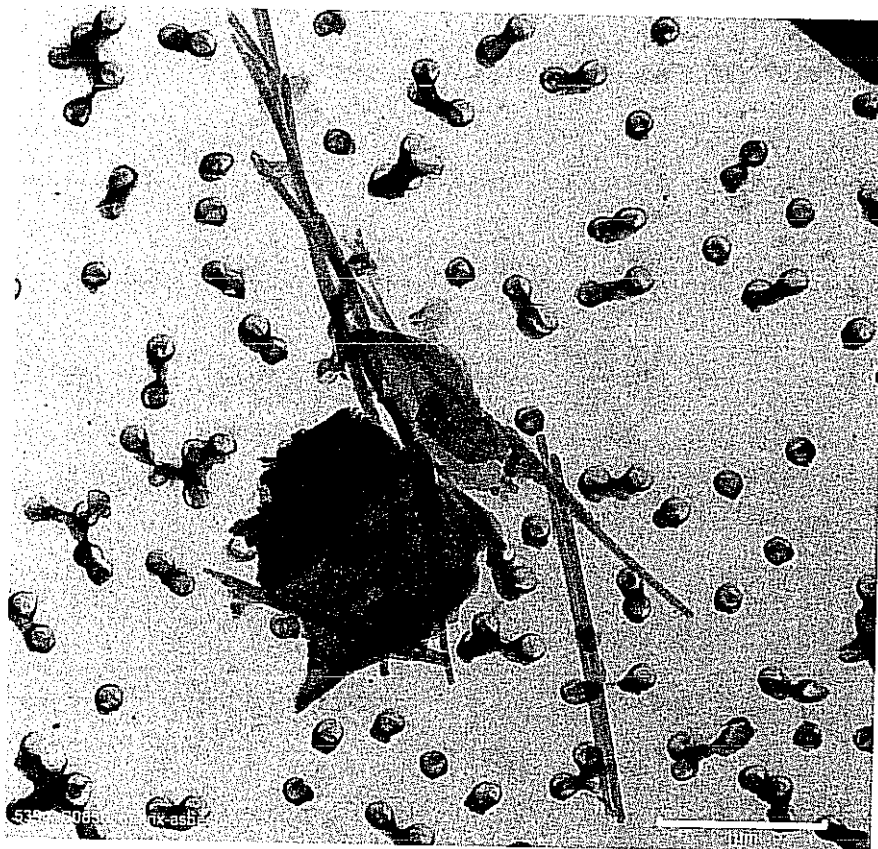












Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0832
 Client I.D.: 01.VA
 Instrument: Philips120
 Magnification: 24,000
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 0.1
 Filter Area (mm²): 1256
 Filter Type: PC
 Openings Analyzed: 6
 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 7/26/07 - 7/27/07
 Page: 1 of 2
 Comments: 0.1ml
 ASTM Method: D6480
 or D5755 X

| Grid | Opening | Structure Number* | Structure Type | Length** (cm) | Width** (cm) | SAED | EDS | Comments | Length*** (µm) | Width*** (µm) |
|------|---------|-------------------|----------------|---------------|--------------|------|-----|-------------------|----------------|---------------|
| 1 | H1 | 1 | M | 1.5 | 0.1 | C | | | 0.6 | 0.04 |
| | | 2 | B | 11.5 | 0.6 | C | C | photo | 4.8 | 0.25 |
| | | 3 | F | 22.0 | 0.1 | C | | | 9.2 | 0.04 |
| | | 4 | B | 6.0 | 0.2 | C | | | 2.5 | 0.08 |
| | | 5 | F | 8.0 | 0.1 | C | | | 3.3 | 0.04 |
| | | 6 | F | 8.0 | 0.1 | C | | | 3.3 | 0.04 |
| | I3 | 7 | F | 10.0 | 0.2 | C | | | 4.2 | 0.08 |
| | | 8 | F | 15.0 | 0.1 | C | | | 6.3 | 0.04 |
| | | 9 | B | 5.0 | 0.2 | C | | | 2.1 | 0.08 |
| | | 10 | F | 16.0 | 0.1 | C | | | 6.7 | 0.04 |
| | | 11 | F | 11.5 | 0.1 | C | | | 4.8 | 0.04 |
| | | 12 | B | 7.0 | 0.2 | C | | | 2.9 | 0.08 |
| | G5 | 13 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 14 | F | 2.1 | 0.1 | C | | | 0.9 | 0.04 |
| | | 15 | B | 4.5 | 0.2 | C | | | 1.9 | 0.08 |
| | | 16 | F | 2.9 | 0.1 | C | | | 1.2 | 0.04 |
| | | 17 | F | 5.5 | 0.1 | C | | | 2.3 | 0.04 |
| | | 18 | F | 2.1 | 0.15 | C | | | 0.9 | 0.06 |
| | | 19 | B | 3.6 | 0.2 | C | | | 1.5 | 0.08 |
| | | 20 | C | 6.0 | 4 | C | | | 2.5 | 1.67 |
| | | 21 | F | 5.6 | 1 | A | AO | Amphibole "other" | 2.3 | 0.42 |
| | | 22 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 23 | F | 5.0 | 0.1 | C | | | 2.1 | 0.04 |
| | F7 | 24 | F | 6.0 | 0.1 | C | | | 2.5 | 0.04 |
| | | 25 | F | 17.5 | 0.1 | C | | | 7.3 | 0.04 |
| | | 26 | F | 3.0 | 0.15 | C | | | 1.3 | 0.06 |
| | | 27 | B | 3.5 | 0.15 | C | | | 1.5 | 0.06 |
| | | 28 | F | 21.5 | 0.1 | C | | | 9.0 | 0.04 |
| | | 29 | F | 11.0 | 0.1 | C | | | 4.6 | 0.04 |
| | | 30 | B | 5.0 | 0.5 | C | | | 2.1 | 0.21 |
| | | 31 | F | 6.0 | 0.1 | C | | | 2.5 | 0.04 |
| | | 32 | F | 18.0 | 0.1 | C | | | 7.5 | 0.04 |
| | | 33 | F | 12.0 | 0.1 | C | | | 5.0 | 0.04 |
| | G9 | 34 | F | 18.0 | 0.1 | C | | | 7.5 | 0.04 |
| | | 35 | F | 13.5 | 0.1 | C | | | 5.6 | 0.04 |

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Analyst: WH
Date: 7/26/07 - 7/27/07
Page: 2 of 2
Comments: 0.1ml
Method: D6480
or D5755 X

5394report082907stockton

or D5755

Surface Dust Sample Analysis Sheet

MVA Project# 5394 Amt Collected(cm²): 100
MVA Sample# S0834 Amt Prepped(cm²): 0.1
Client I.D.: 03.VA Filter Area (mm²): 1256
Instrument: Philips120 Filter Type: PC
Magnification: 24,000 Openings Analyzed: 4
Acc. Voltage: 100 Grid Opening (mm²): 0.009

Analyst: WH
Date: 7/27/2007-7/30/07
Page: 1 of 2
Comments: 0.1 ml
ASTM Method: D6480
or D5755 X

| Grid | Opening | Structure Number* | Structure Type | Length** (cm) | Width** (cm) | SAED | EDS | Comments | Length*** (µm) | Width*** (µm) |
|------|---------|-------------------|----------------|---------------|--------------|------|-----|----------|----------------|---------------|
| 1 | B4 | 1 | F | 31.5 | 0.1 | C | | | 13.1 | 0.04 |
| | | 2 | F | 13.5 | 0.1 | C | | | 5.6 | 0.04 |
| | | 3 | F | 23.5 | 0.1 | C | | | 9.8 | 0.04 |
| | | 4 | F | 23.5 | 0.1 | C | | | 9.8 | 0.04 |
| | | 5 | F | 48.0 | 0.1 | C | | | 20.0 | 0.04 |
| | | 6 | M | 2.5 | 0.15 | C | | | 1.0 | 0.06 |
| | | 7 | F | 4.6 | 0.1 | C | | | 1.9 | 0.04 |
| | | 8 | B | 9.0 | 0.2 | C | C | photo | 3.8 | 0.08 |
| | | 9 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 10 | F | 5.4 | 0.1 | C | | | 2.3 | 0.04 |
| | | 11 | F | 24.5 | 0.1 | C | | | 10.2 | 0.04 |
| | | 12 | F | 3.5 | 0.2 | C | | | 1.5 | 0.08 |
| | | 13 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 14 | F | 32.5 | 0.1 | C | | | 13.5 | 0.04 |
| | | 15 | F | 8.0 | 0.1 | C | | | 3.3 | 0.04 |
| | | 16 | F | 186.5 | 0.1 | C | | | 77.7 | 0.04 |
| | | 17 | F | 70.5 | 0.1 | C | | | 29.4 | 0.04 |
| | | 18 | F | 7.5 | 0.1 | C | | | 3.1 | 0.04 |
| | | 19 | F | 6.0 | 0.1 | C | | | 2.5 | 0.04 |
| | | 20 | F | 7.0 | 0.1 | C | | | 2.9 | 0.04 |
| | | 21 | F | 12.5 | 0.1 | C | | | 5.2 | 0.04 |
| | | 22 | F | 14.0 | 0.1 | C | | | 5.8 | 0.04 |
| | | 23 | F | 15.5 | 0.1 | C | | | 6.5 | 0.04 |
| | | 24 | F | 3.5 | 0.15 | C | | | 1.5 | 0.06 |
| | | 25 | B | 11.0 | 0.9 | C | | | 4.6 | 0.38 |
| | C6 | 26 | B | 11.5 | 0.5 | C | | | 4.8 | 0.21 |
| | | 27 | F | 2.0 | 0.1 | C | | | 0.8 | 0.04 |
| | | 28 | F | 2.0 | 0.15 | C | | | 0.8 | 0.06 |
| | | 29 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 30 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 31 | F | 16.5 | 0.1 | C | | | 6.9 | 0.04 |
| | | 32 | F | 9.5 | 0.1 | C | | | 4.0 | 0.04 |
| | | 33 | F | 14.0 | 0.1 | C | | | 5.8 | 0.04 |
| | | 34 | F | 3.5 | 0.1 | C | | | 1.5 | 0.04 |
| | | 35 | F | 12.0 | 0.1 | C | | | 5.0 | 0.04 |

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

| | | | |
|----------------|------------|----------------------------------|-------|
| MVA Project# | 5394 | Amt Collected(cm ²): | 100 |
| MVA Sample# | S0834 | Amt Prepped(cm ²): | 0.1 |
| Client I.D.: | 03.VA | Filter Area (mm ²): | 1256 |
| Instrument: | Philips120 | Filter Type: | PC |
| Magnification: | 24,000 | Openings Analyzed: | 4 |
| Acc. Voltage: | 100 | Grid Opening (mm ²): | 0.009 |

Analyst: WH
Date: 7/27/2007-7/30/07
Page: 2 of 2
Comments: 0.1 ml
1 Method: D6480
or D5755 X

[illegible]

*NFD or NSD = No Fibers Detected or No Structures Detected

**** On Screen Measurement**

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Analyst: WH
Date: 7/30/2007
Page: 1 of 1
Comments: 10 ml
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos : ➡

MVA Project# 5394 Amt Collected(cm²): 100
 MVA Sample# S0836 Amt Prepped(cm²): 0.1
 Client I.D.: 05.VA Filter Area (mm²): 1256
 Instrument: Philips120 Filter Type: PC
 Magnification: 24,000 Openings Analyzed: 6
 Acc. Voltage: 100 Grid Opening (mm²): 0.009

Analyst: WH

Date: 7/30/2007

Page: 1 of 2

Comments: 0.1 ml

ASTM Method: D6480

or D5755 X

| Grid | Opening | Structure Number* | Structure Type | Length** (cm) | Width** (cm) | SAED | EDS | Comments | Length*** (µm) | Width*** (µm) |
|------|---------|-------------------|----------------|---------------|--------------|------|-----|----------|----------------|---------------|
| 1 | A2 | 1 | F | 4.5 | 0.1 | C | | | 1.9 | 0.04 |
| | | 2 | F | 13.5 | 0.1 | C | | | 5.6 | 0.04 |
| | | 3 | F | 5.5 | 0.1 | C | | | 2.3 | 0.04 |
| | B4 | 4 | F | 12.5 | 0.1 | C | | | 5.2 | 0.04 |
| | | 5 | F | 3.8 | 0.1 | C | | | 1.6 | 0.04 |
| | | 6 | F | 4.5 | 0.1 | C | | | 1.9 | 0.04 |
| | | 7 | F | 7.0 | 0.1 | C | | | 2.9 | 0.04 |
| | | 8 | B | 11.0 | 1 | C | C | photo | 4.6 | 0.42 |
| | | 9 | F | 16.5 | 0.1 | C | | | 6.9 | 0.04 |
| | | 10 | F | 31.5 | 0.1 | C | | | 13.1 | 0.04 |
| | | 11 | F | 2.5 | 0.1 | C | | | 1.0 | 0.04 |
| | | 12 | B | 6.0 | 0.4 | C | | | 2.5 | 0.17 |
| | | 13 | F | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 14 | F | 4.0 | 0.1 | C | | | 1.7 | 0.04 |
| | | 15 | B | 11.0 | 0.2 | C | | | 4.6 | 0.08 |
| | C6 | 16 | F | 6.0 | 0.15 | C | | | 2.5 | 0.06 |
| | | 17 | F | 3.6 | 0.1 | C | | | 1.5 | 0.04 |
| | | 18 | F | 6.0 | 0.1 | C | | | 2.5 | 0.04 |
| | | 19 | F | 2.5 | 0.1 | C | | | 1.0 | 0.04 |
| | | 20 | F | 10.0 | 0.1 | C | | | 4.2 | 0.04 |
| | | 21 | F | 6.5 | 0.1 | C | | | 2.7 | 0.04 |
| | | 22 | B | 29.0 | 1 | C | | | 12.1 | 0.42 |
| | | 23 | F | 12.5 | 0.1 | C | | | 5.2 | 0.04 |
| | | 24 | B | 8.0 | 0.6 | C | | | 3.3 | 0.25 |
| | D8 | 25 | F | 3.2 | 0.1 | C | | | 1.3 | 0.04 |
| | | 26 | F | 2.5 | 0.15 | C | | | 1.0 | 0.06 |
| | | 27 | F | 2.5 | 0.1 | C | | | 1.0 | 0.04 |
| | | 28 | M | 3.0 | 0.1 | C | | | 1.3 | 0.04 |
| | | 29 | F | 16.0 | 0.1 | C | | | 6.7 | 0.04 |
| | | 30 | F | 7.0 | 0.1 | C | | | 2.9 | 0.04 |
| | F9 | 31 | F | 3.2 | 0.1 | C | | | 1.3 | 0.04 |
| | | 32 | F | 11.5 | 0.1 | C | | | 4.8 | 0.04 |
| | | 33 | F | 12.9 | 0.1 | C | | | 5.4 | 0.04 |
| | | 34 | F | 5.0 | 0.1 | C | | | 2.1 | 0.04 |
| | | 35 | F | 2.2 | 0.1 | C | | | 0.9 | 0.04 |

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Analyst: WH
Date: 7/30/2007
Page: 2 of 2
Comments: 0.1 ml
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected
 ** On Screen Measurement
 *** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)
 Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix
 SAED: C = Chrysotile, A = Amphibole
 EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos